

**Filename: D1-LUNA1-0730C-3S-WS-Z-0**

Manufacturer: Zaniboni Lighting

Luminaire: D1-LUNA1-0730C-3S-WS-Z-0

Luminaire Cat: D1-LUNA1-0730C-3S-WS-Z-0

Lamp: WHITE 3K 90 CRI 36 DEGREE SOLITE FILME

Lamp Output: Total luminaire Lumens: 631.5

Max Candela: 1,461.0 at Horizontal: 0°, Vertical: 0°

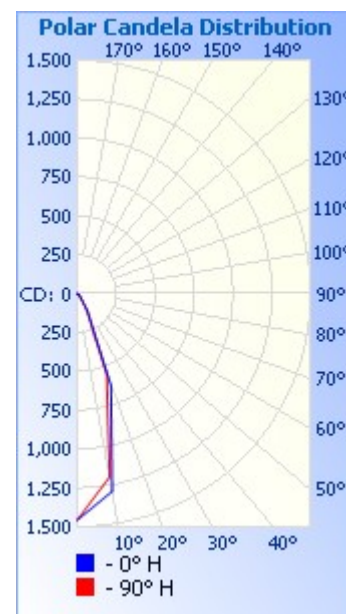
Luminous Opening: Circular (Dia: 1.18")

Test: LUNA 1 V6 357mA 17.8V

Test Lab: Zaniboni Light

Photometry : Type C

Nema Type: 4 X 4

**Roadway Summary**

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.3
Max Cd, 80 to <90 Deg:	1.0
Lumens % Lamp	
Downward Street Side:	322.0 51%
Downward House Side:	320.6 50.8%
Downward Total:	642.6 101.8%
Total Lumens:	642.6 101.8%

**Flood Summary**

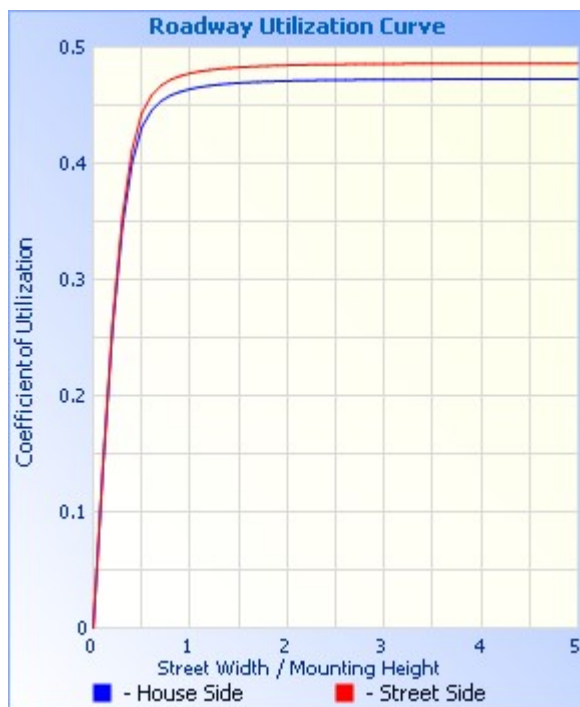
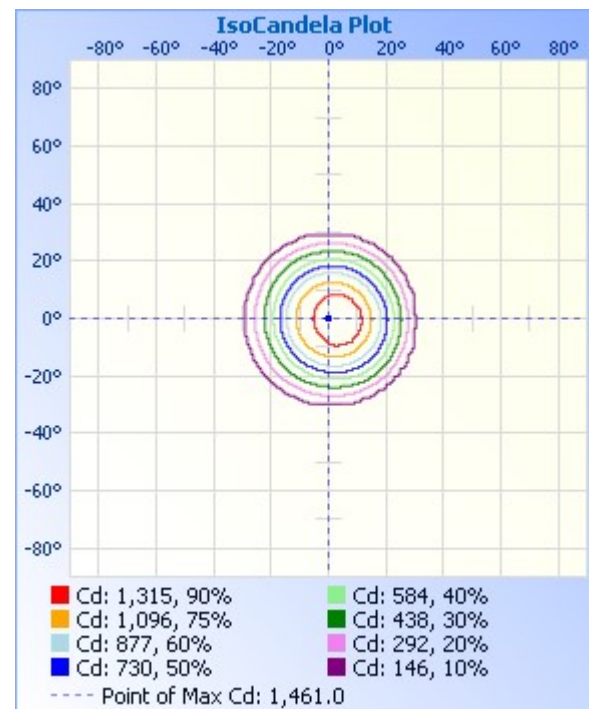
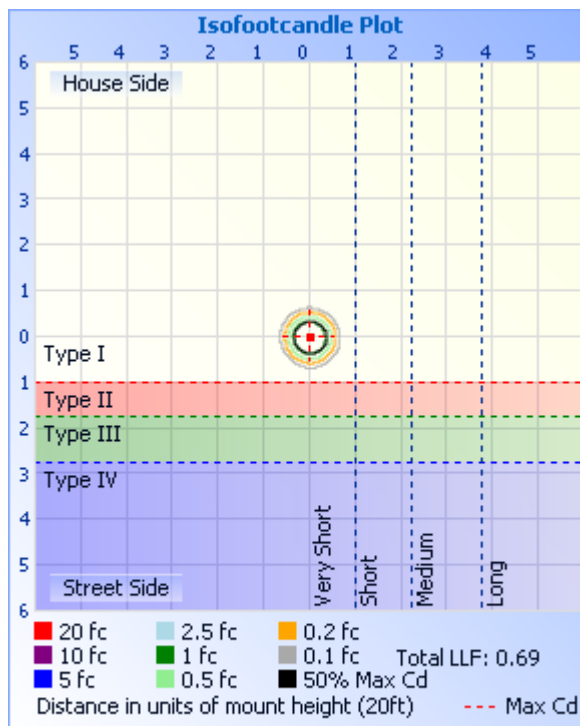
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	88.6%	559.4	59.2	59.3
Beam (50%):	55.9%	353.0	37.3	36.8
Total:	101.6%	641.9		

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	550.1	87.1%
0-40	598.2	94.7%
0-60	624.5	98.9%
60-90	7.0	1.1%
0-90	631.5	100%

**Lumens Per Zone**

Zone	Lumens	% Total
0-10	127.6	20.2%
10-20	257.8	40.8%
20-30	164.7	26.1%
30-40	48.2	7.6%
40-50	17.4	2.7%
50-60	8.9	1.4%
60-70	4.6	0.7%
70-80	1.8	0.3%
80-90	0.6	0.1%



### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	10	50	30	20	10	50	30	20	10	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.02	1.02	1.00
1	1.14	1.12	1.09	1.07	1.12	1.10	1.08	.95	1.06	1.04	1.03	1.02	1.01	.99	.98	.97	.97	.97	.97	.97	.95
2	1.09	1.05	1.02	.99	1.07	1.03	1.00	.91	1.00	.98	.95	.97	.95	.93	.95	.93	.91	.91	.91	.91	.90
3	1.05	.99	.95	.92	1.03	.98	.94	.86	.95	.92	.89	.93	.90	.88	.91	.89	.87	.87	.87	.87	.85

4	1.01	.94	.89	.86	.99	.93	.89	.82	.91	.87	.84	.89	.86	.83	.87	.85	.82	.81
5	.97	.90	.85	.81	.95	.89	.84	.78	.87	.83	.80	.85	.82	.79	.84	.81	.79	.77
6	.93	.85	.80	.77	.92	.85	.80	.75	.83	.79	.76	.82	.78	.75	.81	.77	.75	.74
7	.89	.82	.77	.73	.88	.81	.76	.71	.80	.76	.72	.79	.75	.72	.78	.74	.72	.70
8	.86	.78	.73	.70	.85	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.69	.67
9	.83	.75	.70	.67	.82	.74	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.65
10	.80	.72	.67	.64	.79	.72	.67	.63	.71	.67	.64	.70	.66	.63	.69	.66	.63	.62

**Candela Table - Type C**

	0	30	60	90	120	150	180	210	240	270	300	330	360
0	1461	1461	1461	1461	1461	1461	1461	1461	1461	1461	1461	1461	1461
10	1295	1252	1221	1200	1207	1232	1288	1351	1393	1402	1373	1329	1295
20	634	602	575	553	538	567	611	677	729	736	697	664	634
30	131	128	123	120	116	118	124	134	138	134	126	129	131
40	32	32	32	32	31	32	33	34	34	33	31	31	32
50	13	13	13	13	13	13	13	14	14	14	13	13	13
60	7	7	7	7	7	7	7	7	7	7	7	7	7
70	3	3	3	3	3	3	3	3	3	2	2	2	3
80	1	1	1	1	1	1	1	1	1	1	1	1	1
90	0	0	0	0	0	0	0	0	0	0	0	0	0

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] LUNA 1 V6 357mA 17.8V  
[TESTLAB] Zaniboni Light  
[ISSUEDATE] 3/25/2025  
[MANUFAC] Zaniboni Lighting  
[LUMCAT] D1-LUNA1-0730C-3S-WS-Z-0  
[LUMINAIRE] D1-LUNA1-0730C-3S-WS-Z-0  
[LAMP] WHITE 3K 90 CRI 36 DEGREE SOLITE FILME

FILE: CREATED USING ABSOLUTE PHOTOMETRY  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 10, HORIZONTAL ANGLES: 13  
FILE: COORDINATE SYSTEM: TYPE C  
FILE: UNIT OF MEASURE: METRIC  
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.